Index of Claims

| Applicat | ion/Cont | rol No. |
|-----------------|----------|---------|
|-----------------|----------|---------|

10/629,711 Examiner

James A. Dudek

Applicant(s)/Patent under Reexamination

UTSUMI ET AL.

Art Unit

2871

| √ | Rejected |
|---|----------|
| - | Allowed |

| - | (Through numeral) Cancelled |
|---|--------------------------------|
| + | Restricted |

| N | Non-Elected |
|---|--------------|
| _ | Interference |

| A | Appeal |
|---|----------|
| 0 | Objected |

| Cla | aim | | _ | | | Dat | е | | | |
|--|--|----------|----------|--------------|--------------|--|--|--|----------|--------------|
| | | | | Γ | | | | | | |
| Final | Original | 4/13/06 | | 1 | 1 | 1 | | 1 | | 1 |
| := | į | 13 | ı | | | | | 1 |] | |
| " | ō | 4 | l | | İ | | | 1 | 1 | |
| | | ⊢ | ⊢ | ⊢ | ⊢ | ┼ | ╀ | - | ╀ | ┼ |
| | 1 2 3 4 5 6 7 | ļ | _ | ļ | 1_ | ↓_ | ╄ | _ | ┺ | ↓_ |
| | 2 | | | _ | | L | | | | |
| | 3 | V | | | | L | | | l | 1 |
| | 4 | V | | Г | | П | | | | Τ |
| | 5 | V | T | Т | Т | \vdash | 1 | 1 | T | |
| | 6 | 0 | T | 1 | _ | \vdash | † | | ┪ | \vdash |
| | 7 | | \vdash | \vdash | + | ╁ | ╁ | ╁╴ | ┢ | ╁ |
| | 8 | V | - | ├- | ┝ | ⊢ | \vdash | ╁┈ | ┢ | ╁╌ |
| | | + | - | ┝ | ┢ | ⊢ | ╄ | ┼ | ⊢ | ⊬ |
| | 9 | V | <u> </u> | <u> </u> | ↓_ | <u> </u> | ↓_ | <u> </u> | <u> </u> | <u> </u> |
| | 10 | 0 | _ | ┖ | ㄴ | L | <u> </u> | <u> </u> | L | _ |
| | 11 | v | L | L | _ | L | L | L | L | L |
| L | 12 | v | L^{-} | L | L_ | L | 1. | 1 | 1 | Γ |
| | 13 | v | | | | | Π | | | |
| | 14 | 0 | 1 | Т | | Т | 1 | Т | \vdash | 1 |
| | 15 | v | \vdash | H | _ | | t | t | 1 | \vdash |
| \vdash | 16 | _ | - | - | \vdash | \vdash | ╁ | \vdash | \vdash | + |
| | 10 11 12 13 14 15 16 17 18 | V | \vdash | \vdash | - | 1 | ⊢ | | ⊢ | ⊢ |
| <u> </u> | 17 | v | \vdash | \vdash | <u> </u> | <u> </u> | ऻ | - | - | _ |
| | 18 | 0 | L | L_ | L | | L | | ┖ | |
| | 19 | | | | | L. | <u> </u> | | | |
| | 20 | ΙΤ | | | | Π | Π | | Γ | Π |
| | 21 22 | v | | | | | | | | Ι- |
| | 22 | v | Н | _ | t | ╁ | \vdash | \vdash | <u> </u> | <u> </u> |
| | 23 | v | _ | _ | | H | \vdash | - | \vdash | \vdash |
| | 23 24 | v | \vdash | - | - | ╁ | ┢ | | ╁╾ | ╁ |
| - | 25 | - | - | | ⊢ | ┢ | ╌ | ┢ | ⊢ | - |
| | 25 | 0 | | - | | ⊢ | - | ├— | ⊢ | ⊢ |
| | 26 27 | v | | _ | _ | <u> </u> | _ | <u> </u> | _ | ╙ |
| | 27 | v | | _ | _ | _ | <u> </u> | L. | L | _ |
| | 28 | ٧ | | _ | | | | | | |
| | 29 30 | 0 | Ĺ | | | | | | | |
| | 30 | v | Π | | | | | | | |
| | 31 | v | | Г | Г | | | | Г | |
| \vdash | 32 | v | \vdash | Ι | | | 1 | | 1 | \vdash |
| \vdash | 32 33 | v | _ | - | | \vdash | \vdash | | \vdash | Ι |
| \vdash | 34 | _ | - | \vdash | \vdash | \vdash | - | \vdash | \vdash | - |
| $\vdash\vdash\vdash$ | 34 35 | ٥ | — | | \vdash | \vdash | ├ | — | \vdash | |
| | 35 | L. | <u> </u> | <u> </u> | <u> </u> | <u> </u> | _ | _ | <u> </u> | <u> </u> |
| | 36 | | L_ | _ | | <u> </u> | | <u> </u> | L | L_ |
| | 37 38 | | L | 匚 | <u>_</u> | _ | | | L_ | _ |
| | 38 | | L | | L | | L | L | | |
| | 39 | | | | | | | | | |
| | 40 | | | | | Π | Г | Г | | |
| | 41 | | _ | \vdash | \vdash | | \vdash | _ | \vdash | |
| | 42 | - | | | | \vdash | | \vdash | - | ┢ |
| | 43 | - | - | \vdash | - | - | \vdash | \vdash | ├ | - |
| | | \vdash | | Ė | — | <u> </u> | \vdash | ├— | \vdash | \vdash |
| | 44 | | | | <u>L</u> | L. | L. | <u> </u> | <u> </u> | <u> </u> |
| | 45 | Ш | | | | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _ | L., | | <u>L</u> |
| | 46 | | | | | | | | L | L |
| | 47 | | | | | | | | | |
| | 48 | | | | | | Г | П | Т | |
| | 49 | Н | \vdash | | | \vdash | \vdash | _ | \vdash | \vdash |
| | 50 | - | _ | _ | - | <u> — </u> | ⊢ | \vdash | | \vdash |

| CI | aim | | | | - | Dat | <u>е</u> | | | |
|----------|----------|----------|--|----------------|----------|----------|--|--------------|----------|----------|
| | | Π | П | П | Π | Γ | Т | Γ | Г | Г |
| Finat | Original | | | | | | | | | |
| | 51 | | | | | | | | | |
| | 52 | | L | | | | | | | |
| | 53 | | | | | ĺ | I - | Γ | Π | Г |
| | 54 | П | | | | Π | Ī | П | | Г |
| - | 55 | | <u> </u> | \vdash | 1 | ┪ | | ┪ | | t |
| | 56 | _ | - | ┢ | \vdash | \vdash | H | \vdash | _ | ┢ |
| - | 57 | \vdash | | ╁ | \vdash | \vdash | \vdash | | \vdash | ╁ |
| | 58 | ┢ | <u> </u> | - | ├─ | ┢ | \vdash | ├ | | ⊢ |
| | 59 | ┢ | ┢ | ┢ | ┢ | ┢ | ⊢ | ┢╾ | - | ┢ |
| | 60 | ┝ | ┢ | - | ┢ | \vdash | \vdash | ⊢ | - | ├ |
| | 61 | \vdash | _ | - | ┢ | ┢ | ⊢ | ⊢ | \vdash | ⊢ |
| | 62 | - | - | - | ╁ | \vdash | \vdash | - | - | ⊢ |
| | 63 | - | - | - | \vdash | \vdash | \vdash | | | ⊢ |
| - | 64 | - | \vdash | \vdash | - | | - | ⊢ | ⊢ | - |
| - | 65 | H | - | - | ⊢ | ⊢ | - | ⊢ | - | \vdash |
| - | 66 | - | - | H | - | - | | - | _ | <u> </u> |
| | 67 | ⊢ | - | ├ | ⊢ | ⊢ | \vdash | - | - | ⊢ |
| | 68 | \vdash | - | ├— | ⊢ | ⊢ | ⊢ | | <u> </u> | ⊢ |
| | | | | — | ⊢ | ⊢ | _ | - | - | ⊢ |
| - | 69 70 | _ | \vdash | \vdash | - | - | ├- | <u> </u> | _ | _ |
| \vdash | | - | - | \vdash | - | - | - | _ | ⊢ | \vdash |
| | 71 | <u> </u> | | ├ | ⊢ | H | - | - | _ | ⊢ |
| | 72 73 | - | - | - | ├ | ┝ | - | - | _ | ⊢ |
| | 74 | | - | - | ⊢ | ⊢ | \vdash | \vdash | - | ŀ |
| | 75 | | - | | \vdash | ├ | ⊢ | ┝ | - | \vdash |
| | 76 | | | H | _ | ┢─ | \vdash | H | | - |
| | 77 | | - | \vdash | _ | - | | \vdash | | _ |
| | 78 | - | - | | \vdash | \vdash | _ | | | _ |
| | 79 | _ | \vdash | _ | _ | \vdash | \vdash | Т | _ | |
| | 80 | | Г | | | | Т | | | |
| | 81 | | | | Г | | Т | \vdash | | |
| | 82 | | | | | | | | | |
| | 83 | | | | | | | | | |
| | 84 | | | | | | | | | |
| | 85 | | | | | | | | | |
| | 86 | | | | | | | | | |
| | 87 | | | | | | | | | |
| | 88 | | • | | | | | | | |
| | 89 | | | | | | | | | |
| | 90 | | | | | | L | | | |
| | 91 | | | | | | | | | |
| | 92 | | | _ | | | | _ | | |
| | 93 | | | | _ | | | | | |
| | 94 | | | | | | | | _ | |
| - | 95 | | \vdash | | | | _ | - | | |
| \vdash | 96 | | \vdash | - | | \vdash | \vdash | \vdash | \vdash | |
| - | 97 | \dashv | | \vdash | | \vdash | \dashv | \vdash | | |
| - | 98 99 | -i | | - | \vdash | \vdash | \dashv | | _ | |
| · | 100 | - | Н | \vdash | \vdash | _ | - | | \dashv | |
| | 100 | | اا | | لـــا | | | Ш | | |

| Cla | Date | | | | | | | | | |
|----------------|-------------------|----------|----------------|----------|----------|--------------|----------|----------|--|----------|
| | | | Γ | Г | Г | Г | | Γ- | 1 | П |
| - | Original | | | | | | i | | | 1 1 |
| Final | Ξġ | | | | | | | | | |
| ш | ō | | | | | | | | | l |
| | | _ | _ | ╙ | _ | ╙ | _ | _ | ┡ | Ш |
| | 101 | _ | ╙ | 辶 | L | <u> </u> | L | L | 乚 | Ш |
| | 102 103 | | | | | | L | | | Ш |
| | 103 | | | | | | | | | П |
| | 104 | Г | Г | | | Г | П | | Π | П |
| | 105 | | | Г | \vdash | | | _ | T | П |
| | 106 | | Г | | | t | \vdash | Н | 一 | Н |
| | 107 | - | \vdash | \vdash | - | ┢ | \vdash | ┢ | ┢ | Н |
| | 108 | - | - | \vdash | \vdash | ├- | - | ├ | - | Н |
| · | 109 | <u> </u> | ⊢ | ⊢ | ├ | ⊢ | ⊢ | - | | Н |
| | 109 | ⊢ | . | ┝ | - | | <u> </u> | <u> </u> | <u>. </u> | Н |
| | 110 | <u> </u> | <u> </u> | <u> </u> | L | <u> </u> | <u> </u> | _ | _ | \sqcup |
| | 111 | <u> </u> | | <u> </u> | <u> </u> | | <u> </u> | _ | <u>_</u> | Ш |
| | 112 | L_ | _ | <u>_</u> | <u> </u> | _ | <u> </u> | _ | <u>_</u> | Ш |
| | 113 | | oxdot | _ | L | L | L | L | L | LJ |
| | 114 | | | | | | L | L | | |
| | 115 | Π | | | | | | | | |
| | 116 | | | | | П | \vdash | | Г | П |
| | 117 | \vdash | | | | \vdash | \vdash | \vdash | Т | Н |
| | 118 | - | | Н | Ι | 1 | \vdash | \vdash | \vdash | Н |
| | 110 | | | ⊢ | \vdash | | \vdash | \vdash | \vdash | Н |
| - | 119 120 | - | ⊢ | <u> </u> | ⊢ | - | - | - | | Н |
| | 120 | _ | <u> </u> | H | _ | _ | | | - | Н |
| | 121 | _ | | | | | _ | | | Ш |
| \blacksquare | 122 123 | | L | \perp | | $oxed{oxed}$ | | | _ | |
| | 123 | | | | | _ | | | 乚 | |
| | 124 125 126 | | | | | | | | | |
| | 125 | | | | | | | | | |
| | 126 | | | | | | | | | |
| | 127 128 129 | - | | | | | | | | \Box |
| | 128 | _ | - | | | | | | | М |
| | 129 | | Н | | _ | \vdash | _ | | | Н |
| | 130 | _ | | Н | _ | \vdash | | | - | Н |
| - | 130 131 132 | | | Н | _ | H | _ | _ | _ | Н |
| - | 422 | _ | \vdash | - | _ | ⊢ | | - | - | Н |
| | 132 | | _ | \vdash | _ | <u> </u> | \vdash | _ | _ | - |
| | 133 | | Ш | Ш | | \vdash | _ | _ | <u> </u> | Щ |
| | 134 | | $oxed{}$ | Ш | | Щ | _ | | <u> </u> | Ш |
| | 135 | | | | | Щ | Ш | | <u> </u> | Ш |
| | 136 | | | | | Ш | | | L | Ш |
| | 137 | | | | | | | | | Ш |
| I | 138 | | | | | | | | | |
| | 139 | | | | | | | | | |
| | 140 | | | | | | | | | |
| | 141 | | | | | | | | | П |
| | 142 | | | \neg | | \vdash | | | П | \Box |
| \dashv | 143 | \dashv | \dashv | | | \vdash | | | | \vdash |
| - | 144 | \dashv | - | \dashv | | \vdash | _ | | - | - |
| | | \dashv | \vdash | - | | \vdash | | - | \vdash | \dashv |
| | 145 | - | | - | _ | Щ | | | <u> </u> | \dashv |
| | 146 | _ | | | | Ш | | | Щ | Ш |
| | 147 | | | | | Ш | | | | Ш |
| | 148 | | | | | | | | | |
| [| 149 |] |] | [| | | | | | |
| | 150 | | | | | П | | | | |
| | | ' | | | | | _ | | ٠ | |